

FIG. 1 (PRIOR ART)

LUBRICANT LAYER (15)
PROTECTIVE LAYER (14)
PERPENDICULAR MAGNETIC RECORDING LAYER (13)
PERPENDICULARLY-ORIENTED UNDERLAYER (12)
SUBSTRATE (10)

FIG. 2 (PRIOR ART)

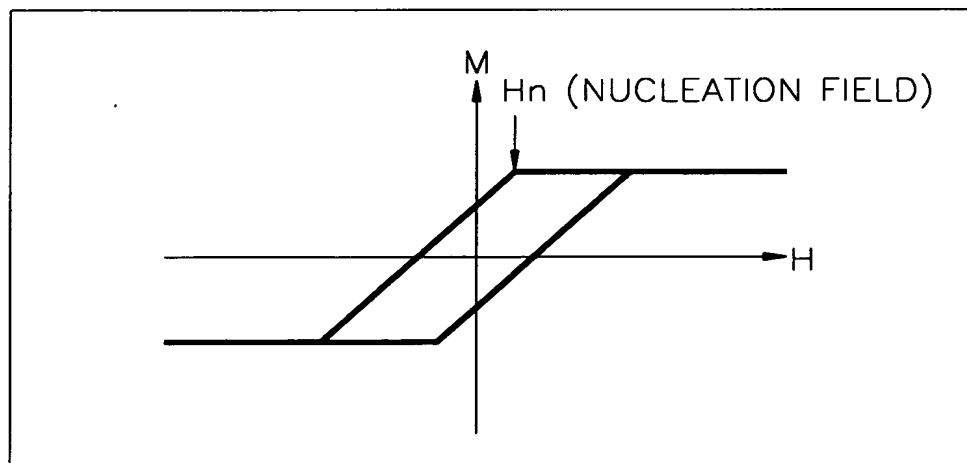


FIG. 3A

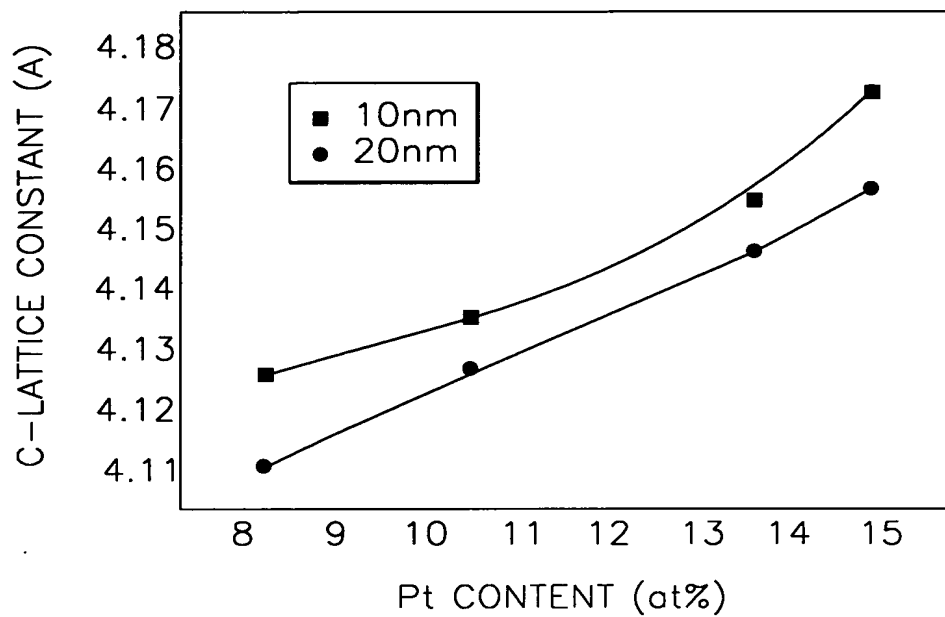


FIG. 3B

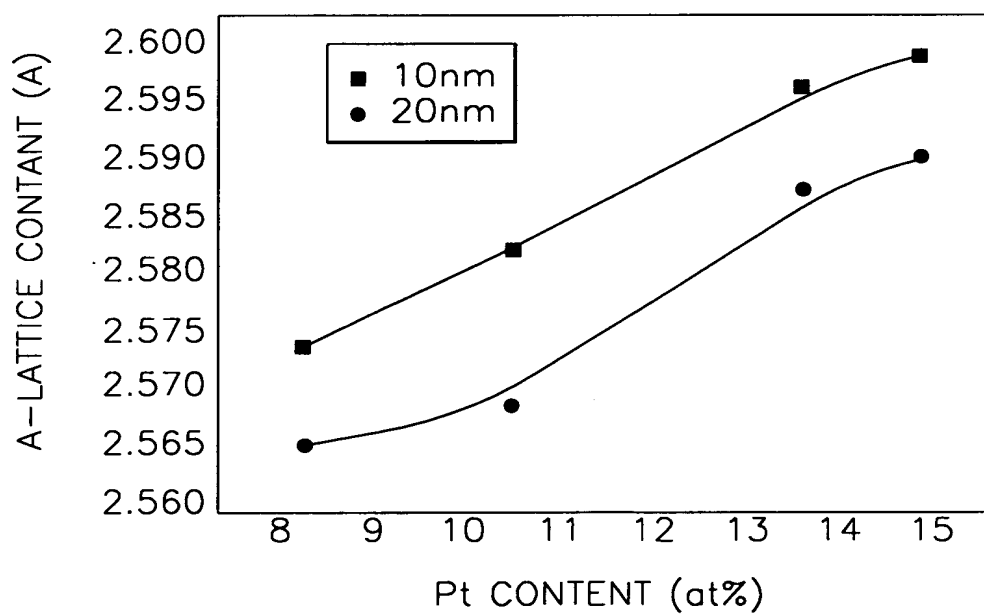


FIG. 4

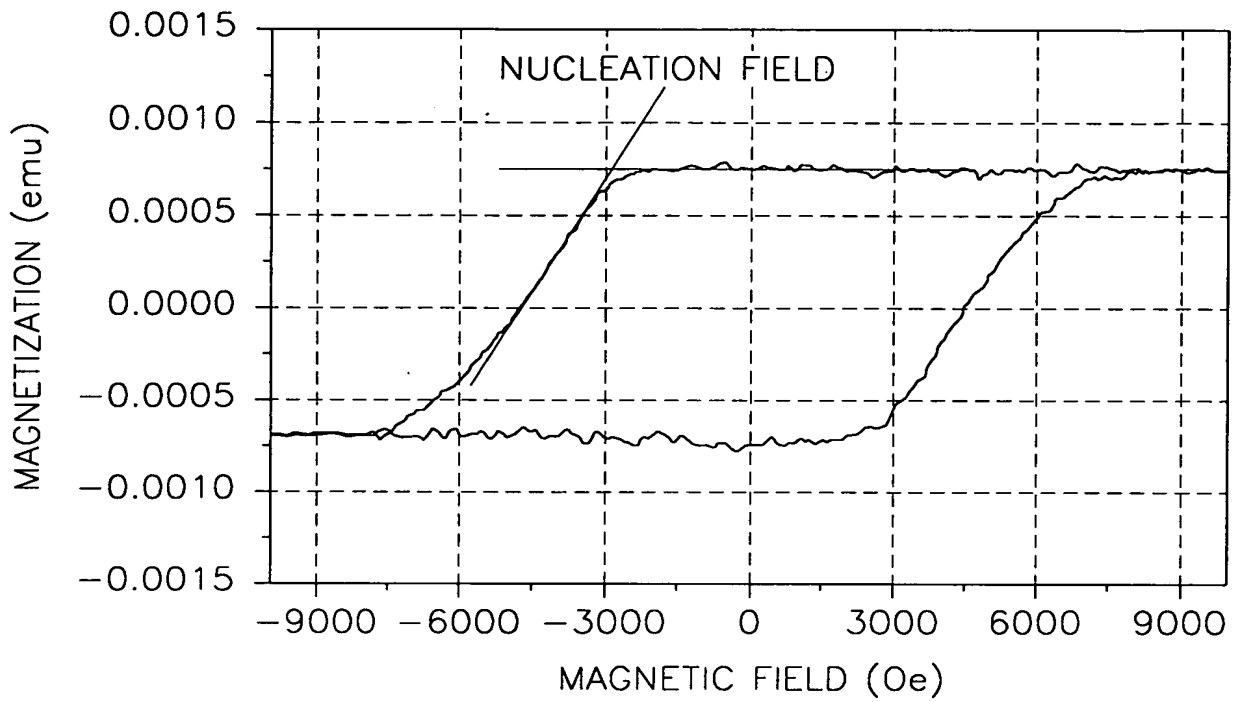


FIG. 5

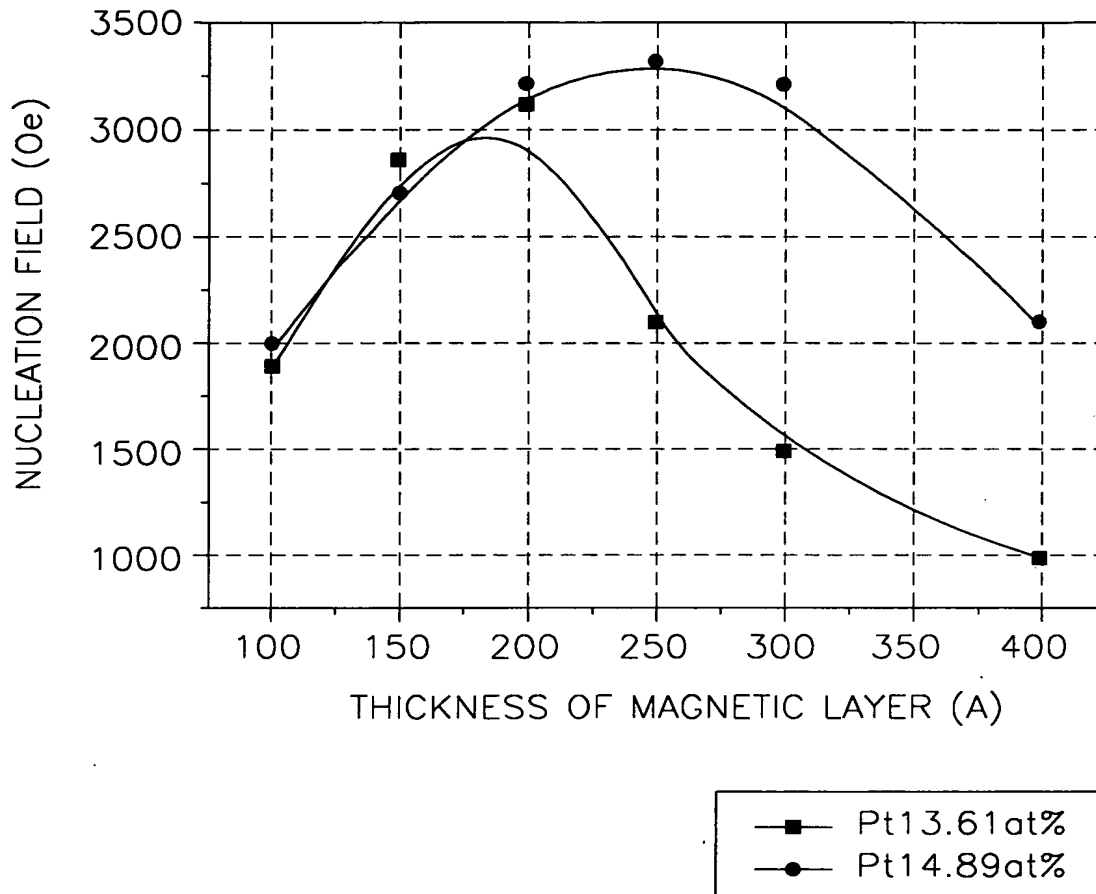


FIG. 6

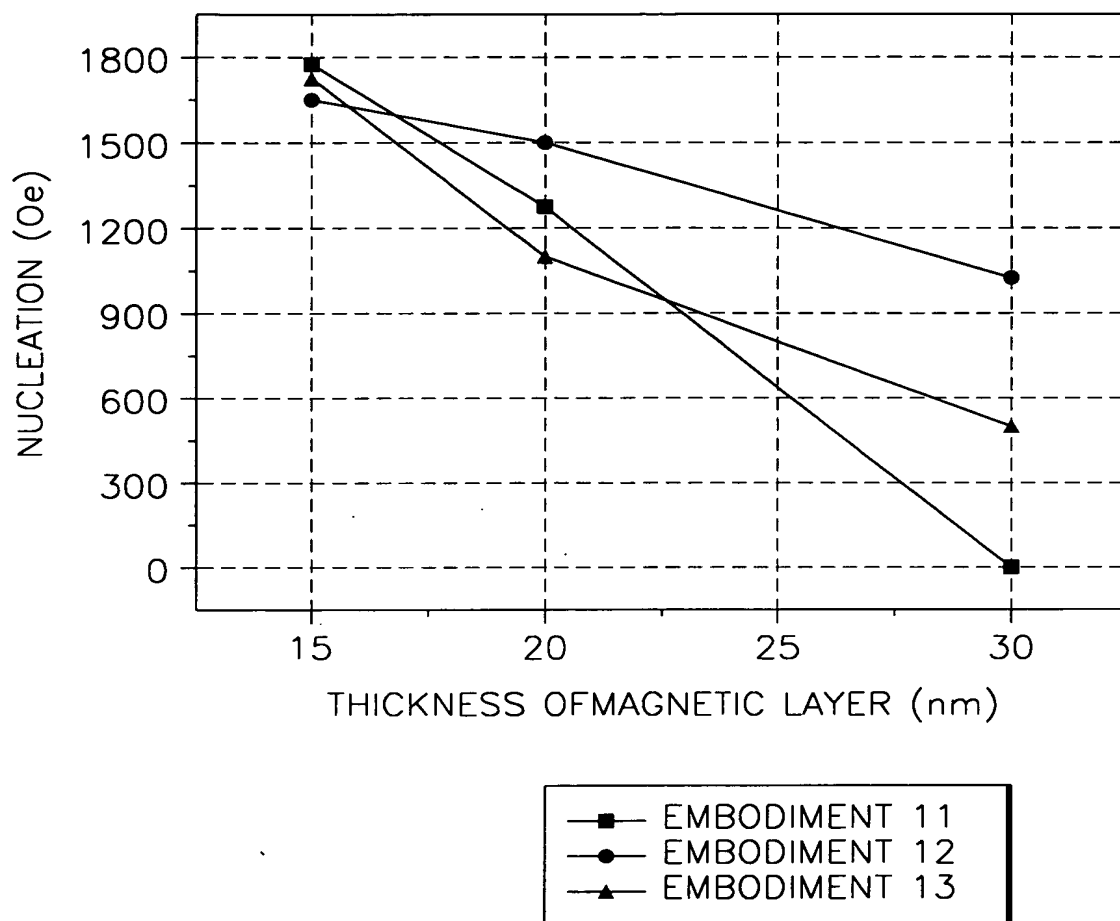


FIG. 7

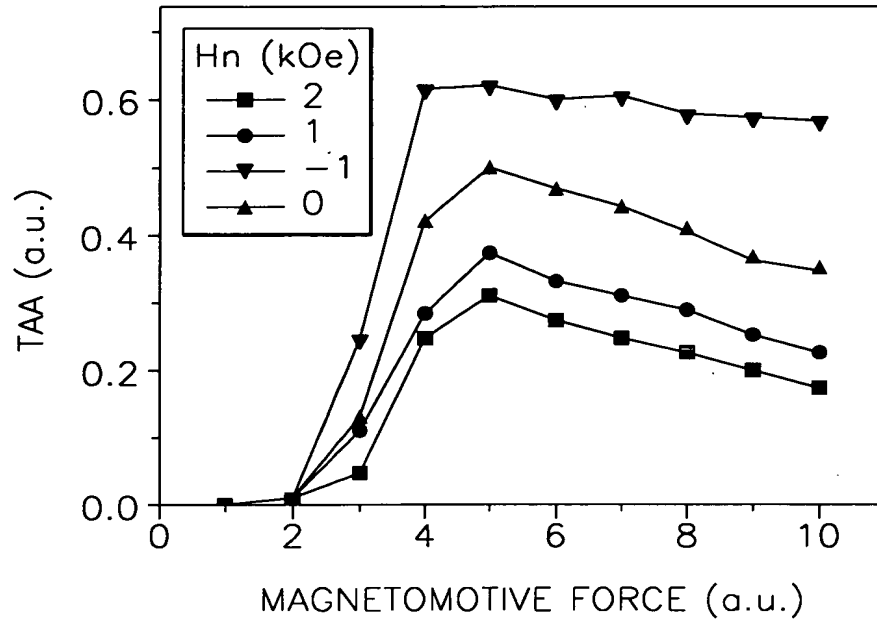


FIG. 8

